

Appl. No. 10/061,727  
 Amtd. dated October 20, 2005  
 Resp. to Office Action dated April 22, 2005

### Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) An isolated polynucleotide comprising SEQ ID NO:1 wherein the nucleic acid at 1792 is A or C.

2. (Previously presented) An isolated polynucleotide comprising a nucleic acid that encodes a polypeptide comprising SEQ ID NO:2, wherein the amino acid 598 is Thr or Pro.

Claims 3 and 4 (Cancelled)

5. (Currently amended) An isolated polynucleotide comprising a molecule selected from the group consisting of:

- a) A polynucleotide that encodes a polypeptide comprising amino acid residues 384-687 of SEQ ID NO:2, wherein the amino acid at 598 is Thr or Pro;
- b) A polynucleotide that encodes a polypeptide comprising amino acid residues 379-687 of SEQ ID NO:2, wherein the amino acid at 598 is Thr or Pro;
- c) A polynucleotide that encodes a polypeptide comprising amino acid residues 449-687 of SEQ ID NO:2, wherein the amino acid at 598 is Pro or Thr;
- d) A polynucleotide that encodes a fragment of a polypeptide consisting of amino acid residues selected from the group consisting of residues 384-687 of SEQ ID NO:2, residues 379-687 of SEQ ID NO:2, and residues 449-687 of SEQ ID NO:2 described in (a-e), wherein  
wherein the amino acid at 598 is Thr or Pro, and wherein the  
fragment interacts with an IL-1R signal transduction factor;
- e) ~~An isolated nucleic acid molecule~~ A polynucleotide that hybridizes to either strand of a denatured, double stranded DNA that encodes amino acid residues 449-687 of SEQ ID NO:2, under conditions of moderate stringency in 50% formamide and 6XSSC, at 42°C with washing conditions of 60°C, 0.5XSSC, 0.1% SDS; wherein the isolated ~~nucleic acid~~ polynucleotide encodes a polypeptide that interacts with an IL-1R signal transduction factor;
- f) ~~An isolated nucleic acid molecule~~ A polynucleotide that encodes an encoded a polypeptide that is at least 85% identical to the ~~a~~ polypeptides described in a), b), e); consisting of amino acid residues selected from the group consisting of residues 384-687 of SEQ ID NO:2, residues 379-687 of SEQ ID NO:2, and residues 449-687 of SEQ ID NO:2 wherein the amino acid at 598 is Thr or Pro, and wherein the encoded polypeptide interacts with an IL-1R signal transduction factor; and

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g) Apolynucleotide that is degenerate to any of the nucleic acids of ~~a), b), c), e)~~,  
~~f)a)-f)~~.

6. (Original) An expression vector comprising a polynucleotide of claim 5.

7. (Original) An expression vector comprising a polynucleotide that encodes a polypeptide comprising SEQ ID NO:2, wherein the amino acid residue at 598 is Pro or Thr.

Claim 8 (Cancelled)

9. (Currently amended) ~~A~~ An isolated host cell comprising the vector of claim 6.

10. (Currently amended) A process of preparing a polypeptide encoded by a nucleic acid of claim 5, the process comprising culturing a host cell of claim 9 under conditions promoting expression of the polypeptide.

11. (Currently amended) A process ~~of for~~ preparing a polypeptide comprising SEQ ID NO:2, the process comprising culturing a host cell transformed with a vector of claim 7 under conditions promoting expression of the polypeptide.

Claims 12-14 (Cancelled)

15. (New) An isolated host cell comprising the vector of claim 7.